

M 5.9, 42 km SE of Hasaki, Japan

Origin Time: 2020-06-24 19:47:44 UTC (Thu 04:47:44 local)

Location: 35.4565° N 141.1514° E Depth: 29.3 km

Created: 2 hours, 4 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

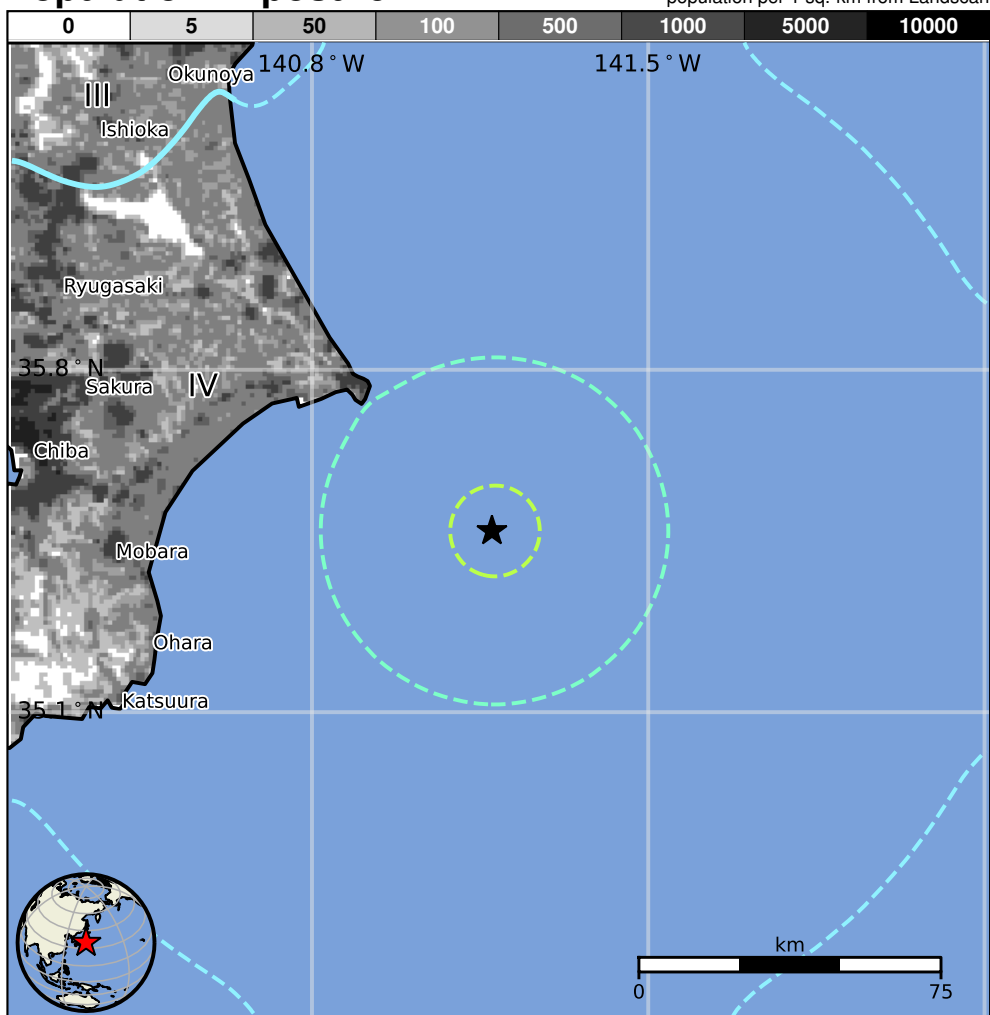


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	368k*	3,632k	22k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-03-15	332	5.4	VII(259k)	1
1983-08-08	190	5.6	VII(7k)	1
1974-05-08	238	6.7	IX(30k)	27

Recent earthquakes in this area have caused secondary hazards such as landslides and fires that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Hasaki	39k
IV	Asahi	42k
IV	Naruto	26k
IV	Omigawa	26k
IV	Yokaichiba	33k
IV	Togane	66k
IV	Ichihara	284k
IV	Narita	101k
IV	Chiba	920k
IV	Sakura	183k
III	Tsukuba	176k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000aabt#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000aabt